



(12) **United States Patent**  
**Larsen**

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(54) **HOSTILE TAKEOVER AVOIDANCE OF UNMANNED VEHICLES**

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See application file for complete search history.

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(57) **ABSTRACT**

A method and system for detecting and recovering from hostile takeovers of aerial vehicles is described. In some examples, this can include receiving, at an aerial device at a first time, a first signal expected according to a communication scheme. It can be determined that a second signal was not received at a second time based at least in part on the communication scheme. In response, an alarm signal can be generated.

(52) **U.S. Cl.**

CPC ..... **G05D 1/0088** (2013.01); **B64C 39/024** (2013.01); **B64D 45/00** (2013.01); **G05D 1/042** (2013.01); **B64C 2201/141** (2013.01)

(58) **Field of Classification Search**

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**20 Claims, 10 Drawing Sheets**

